

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/662,428
Filing Date	September 16, 2003
First Named Inventor	Randall E. AULL
Art Unit	2674
Examiner Name	Patrick Nestor Edouard
Attorney Docket Number	003797.00621

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
JP		US-6,198,474	03-06-2001	William H. Roylance	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner  
Signature

TMYA

Date  
Considered

3-9-2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	TBA
Filing Date	September 16, 2003
First Named Inventor	Randall E. AULL et al.
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	003797.00621

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
P		US-3,806,471	04/23/1974	Mitchell	
		US- 4,296,406	10/20/1981	Pearson	
		US- 4,314,227	02/02/1982	Eventoff	
		US- 4,489,302	12/18/1984	Eventoff	
		US- 5,008,497	04/16/1991	Asher	
		US- 5,063,376	11/05/1991	Chang	
		US- 5,231,388	07/27/1993	Brandenburg et al.	
		US- 5,302,936	04/12/1994	Yaniger	
		US- 5,515,044	05/07/1998	Glatt	
		US- 5,999,084	12/07/1999	Armstrong	
		US- 6,102,802	08/15/2000	Armstrong	
		US- 6,135,886	10/24/2000	Armstrong	
		US- 6,204,839 B1	03/20/2001	Mato, Jr.	
		US- 6,343,991 B1	02/05/2002	Armstrong	
		US- 6,347,997 B1	02/19/2002	Armstrong	
		US- 2002/0104369 A1	08/08/2002	Baker et al.	
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		GB 1 255 761	12/01/1971			

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Eric Gray, "The Synclavier Digital Audio System: Recent Developments in Audio Post-Production," New England Digital, March 1987.	
		R.D. Harrod, "Touch-Pressure Sensitive Frequency-Modulated Keyboard," IBM Technical Disclosure Bulletin, Vol. 20, No. 10, pp. 4039-4040, March 1978.	
		Joyce et al., "Identity Authentication Based on Keystroke Latencies," Communications of the ACM, Vol. 33, No. 2, pp. 168-176, Feb. 1990.	
		Lieberman et al., "Caslo CZ-1 Digital Synthesizer: A User's Report," Computer Music Journal, pp. 86-88, Spring 1987.	
		Popovich et al., "Gradient formation in a micro-processor-based HPLC system," American Laboratory, pp. 136- 139, May 1981.	
V		H. Tang, "A multilevel input system with force-sensitive elements," Int. J. Human-Computer Studies, 2001 (54), pp. 495-507, April 2001.	

Examiner  
SignatureDate  
Considered

3-9-2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1448A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	TBA
Filing Date	September 16, 2003
First Named Inventor	Randall E. AULL et al.
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	003797.00621

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
P		RegisterRawInputDevices Function; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		KEYBDINPUT Structure; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		Device Stacks for USB Keyboard, Mouse, and Joystick Devices; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		KEYBOARD_INPUT_DATA; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		RAWINPUTDEVICE Structure; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		WM_INPUT Notification; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		RAWINPUT Structure; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		RAWKEYBOARD Structure; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		WM_KEYDOWN Notification; published prior to 9-12-03; printed from <http://msdn.microsoft.com/library>.	
		X	

Examiner Signature		Date Considered	3-10-2004
-----------------------	---	--------------------	-----------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.